

# Superconducting fluctuations above critical temperature in the $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_8$ single crystals

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## Abstract

© Kazan Federal University (KFU). The superconducting fluctuations above critical temperature in the  $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_8$  single crystals are studied. The boundaries of the superconducting fluctuations area are defined by the MWA measurement. The estimation of the fluctuations lifetimes is made.

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## Keywords

AC-susceptibility, High temperature superconductors, Non-resonant microwave absorption, Superconducting order parameter fluctuations